



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Vishwanathan et al.

Serial No.: 09/608,537

Filed: 6/30/2000

Title: POLISHING PADS FOR  
CHEMICAL MECHANICAL  
PLANARIZATION

Group Art Unit:  
3724  
Examiner:  
Eley, T.

TECHNOLOGY CENTER R37JC

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Attorney Docket No.: 126

Commissioner for Patents  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

This Information Disclosure Statement is submitted:

X under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

— under 37 CFR 1.97(c) together with either a:  
— Statement under 37 CFR 1.97(e), or  
— a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

— under 37 CFR 1.97(d) together with a:  
— Statement under 37 CFR 1.97(e), and  
— a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

X Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

On January 5, 1996, Rodel, Inc. (Rodel) sold five experimental pads know as "Maple" as a part of an experimental test program. Because of the funds received by Rodel, Applicants' attorney believes that this sale renders the Maple pad prior art under 35 U.S.C. § 102 (b). The Maple pads had the following nominal properties.

The table below shows key properties of the Maple pad, both dry and after 24 hours in water:

Parameter	Initial Dry	Wet	% Change
Swelling (in)	1.508	1.532	1.6
Hardness (Shore D)	45	30	-33
Modulus, E' (MPa) (40°C)	117	73	-38
KEL (1/Pa) (40°C)	948	1383	45
Ratio of E' at 30°C & 90°C	4.0		

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In particular, please note that the Maple pad's dry ratio of E' at 30°C and 90°C is 4.0.

The relevance of the attached references is that this is the closest art of which Applicant is aware. Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

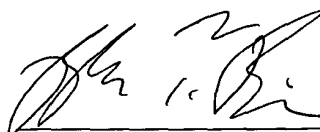
Respectfully submitted,

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit: 7/3/03

Typed Name: Barbara A. Wiley

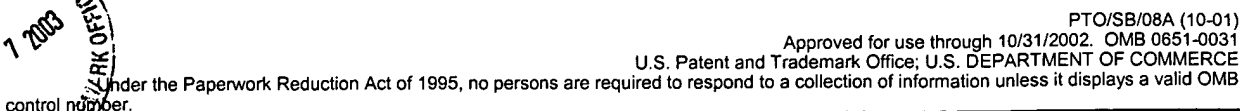
Signature: Barbara A. Wiley



Blake T. Biederman  
Attorney for Applicant(s)  
Reg. No. 34124

Date: July 2, 2003

Telephone No.: 302-283-2136

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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.  
<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.  
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